

Certificate of Analysis

To: WhiteWater, Inc. 253 B Worcester Rd Charlton, MA 01507 Date Reported: November 17, 2016

Date Received: November 3, 2016

PWS: Charlton Middle School 2054028

Case No. C1103-W05

Submitted samples from:

DEP Sample Type	DEP Location Code	DEP Sample Location
RS	001	Kitchen Tap
PT	01G	Well #1 – After Tank & Sediment Filters
RW	01G	Well #1 – Raw Water Source Sample
PT	TANK	100,000 Gal Atmopsheric Storage Tank

SUBJECT: Total Coliform Bacteria

<u>METHOD</u>: Standard Methods for the Examination of Water and Wastewater, 20th Edition, 1998, APHA, AWWA-WPCF. Total Coliform: SM 9223B

Submitted samples from:

DEP	Sample Type	DEP Location Code	DEP Sample Location	
FS		01G	Well #1 – Pump House	
SUBJECT:	Volatile	Organic Compounds		
METHOD:	<i>Methods</i> <i>Drinking</i> Volatile	for the Determination of Water and Raw Source Organic Compounds: N	of Organic Compounds in Fi Water, USEPA/EMSL. Method 524.2	inishea

New England Testing Laboratory is certified in the Commonwealth of Massachusetts (Lab ID M-RI010) for all tests performed on the premises.

This report shall not be reproduced, except in full, without written approval of the laboratory.

New England Testing certifies that the test results contained within this report meet all method and certification requirements except as detailed in the Case Narrative section of this report.

NEW ENGLAND TESTING LABORATORY, INC. 59 Greenhill St., West Warwick, RI 02893 (401) 353-3420

N.

DEP Review Status:

□ Accepted □ Disapproved

Massachusetts Department of Environmental Protection - Drinking Water Program BACTERIOLOGICAL REPORT

I. PWS	INFORMA	TION: Refer to	o your DE	P Coliform S	Sampling P	lan to help	complete	the PWS	Information	and DEF	Approved S	Sample S	ite Information sec	tions below.
PWS	ID #: 2	0 54028 P\	WS Name	: CHARLT	ON MIDDLI	E SCHOOL		Ci	ty/Town:	С	HARLTON		Class: COM 🗌 N	FNC 🖂 TNC 🗌
II. ANA	LYTICAL	INFORMATION	I: Refer to	your MassD	DEP state la	ab certifica	te for prop	er Lab M	A Cert.# and	certified	l methods.			
Prima	ry Lab MA	A Cert.#:	M-RI010	Primary La	ab Name:	New Engla	nd Testing La	aboratory			Subco	ntracted	? (Y/N): N	
Analy	sis Lab M	A Cert.#:		Anal	ysis Lab:									
🛛 Origin	al Report 🗌] Resubmitted Re	port 🗌 Cor	firmation Repo	ort (1)	Reason for R	esubmission:	Resamp	le 🗌 Reanalysis	Report 0	Correction (2) C	ollection D	ate of Original Sample:	
тс	Method	E.Coli M	ethod	Fecal Col	liform	HPC Me	thod	l ah San	nple Notes:					
S	M 9223								ipie Notes.					
		ED SAMPLE SIT	E INFORM		TOTAL	E.COLI or	CHLORINE	НРС	COLLECT	TION	ANALYS	SIS		
DEP Sample Type ^{1,3}	DEP Location Code # ¹	DEP Approve	d SAMPLE L		COLIFORM RESULT ^{4,5}	FECAL RESULT ^{4,5}	RESULT ² mg/L	RESULT ² # cfu/mL	DATE	TIME	DATE	TIME	COLLECTED BY	LAB SAMPLE ID #
RS	001	Kitchen Tap			Α		0.08		11/3/2016	11:20	11/3/2016	17:50	Tim Rustan	C1103-W05A
PT	TANK	Well #1 - After	Tank & Se	ed. Filters	Α		0.35		11/3/2016	12:15	11/3/2016	17:50	Tim Rustan	C1103-W05B
RW	01G	Well #1 - Raw	Water Sou	urce Sample	Α		-		11/3/2016	12:30	11/3/2016	17:50	Tim Rustan	C1103-W05C
PT	TANK	100,000 Gal At	tmospheri	c S.T.	Α		0.35		11/3/2016	12:20	11/3/2016	17:50	Tim Rustan	C1103-W05D
² SWTR s ³ Sample ⁴ Report	systems: HPC Type: RS-Ro as #/100 mL,	ocation Code#, and I samples shall be ta utine Distribution Sa P (present) ,A (abse umber of repeat sam	ken at the sa mple, RO-Or ent), or Too N	me <u>distribution</u> s iginal Site Repea umerous To Cou	ites and at the at, UR-Upstream int: TNTC-I (inv	same time as n Repeat, DR- valid) or TNTC	total coliform, v Downstream F P (present).	vhenever ch Repeat, AR-A	orine residual is additional Repeat	not detected , RW-Raw \	d at the sample si Nater, PT-Plant T	ap, SS-Spe	ecial Sample e results by the end of the	business day.
		s of law that I am the herein is true, accura					Laborator	y Author	ized Signatu		But Chidad		11/17/20	016

Review Comments:

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В



Volatile Organic Contaminant Report

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VOC

I. PWS INFOR	MATION: Please refer to your DEP Water	Quality Sam	pling Schedule	e (WQSS) to he	lp complete	this form	
PWS ID #:	2054028	C	ity / Town:	CHARLTON			
PWS Name:	Charlton Middle School			PWS C	lass: CC	OM 🗌 NTN	C 🛛 TNC 🗌
DEP LOCATION (LOC) ID#	DEP Location Name		Sample Informati	on	Sample Acidified?	Date Collected	Collected By
01G	Well # 1 - Pump House		☐ (M)ultiple ⊠ (S)ingle	☐ (R)aw ⊠ (F)inished	Yes 🖂	11/3/2016	Tim Rustan
Routine or	Original, Resubmitted or		-	If Resubmitted	Report, list b	elow:	-
Special Sample	Confirmation Report	(1)	Reason for Res	ubmission	(2) C	ollection Date	of Original Sample
🖾 RS 🗌 SS	🛛 Original 🗌 Resubmitted 🗋 Confirmation	Resample	e 🗌 Reanalysis [Report Correction	on		
SAMPLE NOTES	- Such as, if a Manifold/Multiple sample, list the sourc	e(s) that were	on-line during sar	nple collection.			
II. ANALYTIC	AL LABORATORY INFORMATION:						
Primary Lab M	A Cert. #: M-RI010 Primary Lab Nam	e: New Eng	gland Testing La	ıb		Subcontract	ted? (Y/N) N
Analysis Lab M	A Cert. #: Analysis Lab Nam	ie:					

Lab Method	Date Extracted (551.1 only)	Date Analyzed	Lab Sample ID#	LAB SAMPLE NOTES - Include information as to whether sample was diluted or additional contaminants detected.
524.2		11/16/2016	C1103-W05E	
Was this Sample composited by the Lab?	COMPOSITE SAMP	PLE NOTES - Plea	se list the composited so	urces by DEP Source Code (XXXXXX-XXX), up to five individual sources.
Yes: No:				

CAS#	REGULATED VOC CONTAMINANT	Results μg/L	MCL µg/L	MDL μg/L
71-43-2	BENZENE	N.D.	5	0.5
56-23-5	CARBON TETRACHLORIDE	N.D.	5	0.5
75-35-4	1,1-DICHLOROETHYLENE	N.D.	7	0.5
107-06-02	1,2-DICHLOROETHANE	N.D.	5	0.5
106-46-7	PARA-DICHLOROBENZENE	N.D.	5	0.5
79-01-6	TRICHLOROETHYLENE (TCE)	N.D.	5	0.5
71-55-6	1,1,1-TRICHLOROETHANE	N.D.	200	0.5
75-01-4	VINYL CHLORIDE	N.D.	2	0.5
108-90-7	MONOCHLOROBENZENE	N.D.	100	0.5
95-50-1	O-DICHLOROBENZENE	N.D.	600	0.5
156-60-5	TRANS-1,2-DICHLOROETHYLENE	N.D.	100	0.5
156-59-2	CIS-1,2-DICHLOROETHYLENE	N.D.	70	0.5
78-87-5	1,2-DICHLOROPROPANE	N.D.	5	0.5
100-41-4	ETHYLBENZENE	N.D.	700	0.5
100-42-5	STYRENE	N.D.	100	0.5
127-18-4	TETRACHLOROETHYLENE (PCE)	N.D.	5	0.5
108-88-3	TOLUENE	N.D.	1000	0.5
1330-20-7	XYLENES (TOTAL)	N.D.	10000	0.5
75-09-2	DICHLOROMETHANE	N.D.	5	0.5
120-82-1	1,2,4-TRICHLOROBENZENE	N.D.	70	0.5
79-00-5	1,1,2-TRICHLOROETHANE	N.D.	5	0.5



Volatile Organic Contaminant Report

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OC

PWS ID#:

		I	
CAS#	UNREGULATED	Results	MDL
	VOC CONTAMINANTS	μg/L	μg/L
67-66-3	CHLOROFORM*	N.D.	0.5
75-27-4	BROMODICHLOROMETHANE	2.0	0.5
124-48-1	CHLORODIBROMOMETHANE	3.6	0.5
75-25-2	BROMOFORM	1.6	0.5
541-73-1	M-DICHLOROBENZENE	N.D.	0.5
74-95-3	DIBROMOMETHANE	N.D.	0.5
563-58-6	1,1-DICHLOROPROPENE	N.D.	0.5
75-34-3	1,1-DICHLOROETHANE*	N.D.	0.5
79-34-5	1,1,2,2-TETRACHLOROETHANE	N.D.	0.5
142-28-9	1,3-DICHLOROPROPANE	N.D.	0.5
74-87-3	CHLOROMETHANE	N.D.	0.5
74-83-9	BROMOMETHANE*	N.D.	0.5
96-18-4	1,2,3-TRICHLOROPROPANE	N.D.	0.5
630-20-6	1,1,1,2-TETRACHLOROETHANE	N.D.	0.5
75-00-3	CHLOROETHANE	N.D.	0.5
594-20-7	2,2-DICHLOROPROPANE	N.D.	0.5
95-49-8	O-CHLOROTOLUENE	N.D.	0.5
106-43-4	P-CHLOROTOLUENE	N.D.	0.5
108-86-1	BROMOBENZENE	N.D.	0.5
542-75-6	1,3-DICHLOROPROPENE*	N.D.	0.5
95-63-6	1,2,4-TRIMETHYLBENZENE	N.D.	0.5
87-61-6	1,2,3-TRICHLOROBENZENE	N.D.	0.5
103-65-1	N-PROPYLBENZENE	N.D.	0.5
104-51-8	N-BUTYLBENZENE	N.D.	0.5
91-20-3	NAPTHALENE*	N.D.	0.5
87-68-3	HEXACHLOROBUTADIENE	N.D.	0.5
108-67-8	1,3,5-TRIMETHYLBENZENE	N.D.	0.5
99-87-6	P-ISOPROPYLTOLUENE	N.D.	0.5
98-82-8	ISOPROPYLBENZENE	N.D.	0.5
98-06-6	TERT-BUTYLBENZENE	N.D.	0.5
135-98-8	SEC-BUTYLBENZENE	N.D.	0.5
75-69-4	FLUOROTRICHLOROMETHANE	N.D.	0.5
75-71-8	DICHLORODIFLUOROMETHANE*	N.D.	0.5
74-97-5	BROMOCHLOROMETHANE	N.D.	0.5
1634-04-4	METHYL TERTIARY BUTYL ETHER (MTBE) [#]	N.D.	0.5

I	Lab Sample ID#:	C1103	8-W05E	
CAS#	UNREGULATE VOC C	DDITIONAL D and/or NON-TARGET ONTAMINANTS ed or otherwise detected)	Results μg/L	MDL μg/L
109-99-9	TETRAHYDROF	JRAN (THF)*	N.D.	5.0
75-65-0	TERT-BUTYL AL	COHLOL (TBA)*	N.D.	5.0
1748-03-8	TERT-AMYL ME	THYL ETHER (TAME)*	N.D.	0.5
637-92-3	ETHYL TERTIAR	Y BUTYL ETHER (ETBE)	N.D.	0.5
108-20-3	DI-ISOPROPYL E	THER (DIPE)	N.D.	0.5
67-64-1	ACETONE*		N.D.	5.0
76-13-1	FREON 113*			
78-93-3	METHYL ETHYL	KETONE (MEK)*	N.D.	5.0
108-10-1	METHYL-ISOBU	TYL KETONE (MIBK)*	N.D.	5.0

Check this box if attaching lab report to show additional VOC results/contaminants tested.

#Required

* DEP ORSG limit established.

Surrogate Name	% Recovery (70 – 130%)
1,2-Dichlorobenzene-d4	105
4-Bromofluorobenzene	103

I certify under penalties of law that I am the person authorized to fill out this form and the information contained herein is true, accurate and complete to the best extent of my knowledge.

Primary Lab Director Signature: Billow

Date: 11/17/2016

If not submitting these results electronically, mail <u>TWO</u> copies of this report to your DEP Regional Office no later than 10 days after the end of the month in which you received this report or no later than 10 days after the end of the reporting period, whichever is sooner.

DEP REVIEW STATUS (Initial & Date)	Review	□ wqts
Accepted Disapproved	Comments	Data Entered

6				Ø	ROUTIN	ROUTINE SAMPLE	O specif	CI/O3-WOS SPECIAL SAMPLE
	WhiteWater	5		0	REPEAT	REPEAT SAMPLE	 0	OF 5 FOLLOW-UP
	WATER'& WASTEWATER SOLUTIONS	. 1 1			SPECIAL NOTES:	NOTES:		
253B Worces	233B Worcester Road, Charitan MA 01507 Phone: 888-377-7678 / Fax 508-248-2895	508-248-2895		ſ				
PWS ID 1		JOB/PO#: 228	1			-		
PWS NAME:	ME: Charlton Middle School							
ADĎRES	ADDRESS: 68 Dudley Oxford Rd, Charlton, MA 01507 PH	PHONE: (50	DNE: ° (508) 248-1423	<u>m</u>		METER	METER READINGS - Cuft of	or (Gal)
DATEC	DATE COLLECTED: $/(-3 - / k)$						14	446200
Is the so	Is the source treated?	1	(YES) h	NQ				
LOCATION CODE	SAMPLE LOCATION	CHLORINE	BIANNS	TIME	۲	voc	•	OTHER
100	Kitchen Tap	0.98	RS	11 20				If buttlet, how many?
01G	Well #1 - After Tank & Sediment Eilters	72.0	pT		\diamond			
016		0210		14.77	$\langle \rangle$			•
TANK	100.000 val 4 - Naw vvater Source Sample 100.000 val Atmospheric Storage Taol	725	MA T	12 20	$\langle \rangle$			•
01G	Well #1 - Pump House	0.26	: 2	1,55	<	 >		•
		<i>K</i> in	2	1.1		<		LUINS
	*							
CUSTODY TRANSFER	NSEE							
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			N	V			11-2-16	1605
NCORNEL DY	Alaw		Y				1113/16	(10 00)
	DO NOT MAIL HARD COPY! Please Email this report with results AND invoice to: <u>viain@rhwhite.com</u>	COPYI Ple	ase Email t	his report v	vith results.	AND invoice to: <u>v</u>	<u>iain®rhwhite.com</u>	ری در

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